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1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image**Patent Number :**

US6021770 A 20000208 [US6021770]

Title :

(A) Bow stabilizer with game finder

Patent Assignee :

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Application Nbr :

US12193698 19980724 [1998US-0121936]

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US5392797P 19970728 [1997US-P053927]**Intl Patent Class :**

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Document Type :

Basic

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US4615327; US4660538; US4706788; US4726348; US4744347; US4777739;
US4955356; US5016602; US5273022; US5339793; US5411009; US5507477;
US5535731; US5649527; US5735257; US5842686**Publication Stage :**

(A) United States patent

Abstract :

A combination archery bow stabilizer and string tracker having a built-in shock- and vibration-damping system comprising a body portion containing a chamber for holding a spool of tracking string and a chamber housing a temperature-insensitive vibration-damping and shock-absorbing viscoelastic polymer element in which a bow-mounting rod is embedded. The viscoelastic polymer element material is preferably a flexible

polyurethane of essentially linear structure, containing unsatisfied hydroxyl groups, and having a compression set of less than 15%, an elongation at break of at least 500%, and a recovery after compression which is delayed by at least 0.7 seconds. The system minimizes the vibration due to shock created by the release of the arrow and by the pay out of the tracking string.

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CERTIFICATE OF CORRECTION

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Patent Assignee :

Ames Arvid A; Sodaro John C

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		KR 9642479	A	19960925
US 5828129	P	19970123	US AE	APPLICATION DATA (PATENT)
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		US 788105	A	19970123
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				LG SEMICON CO., LTD. 1, HYANGJEONG-DONG,
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		KR 9642479	A	19960925
US 6071770	P	19970123	US AA	PRIORITY
		US 788105	A3	19970123
US 6071770	P	19980515	US AE	APPLICATION DATA (PATENT)
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		US 79263	A	19980515
US 6071770	P	20000606	US A	PATENT

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6021770

[Link to Claims Section](#)

February 8, 2000

Bow stabilizer with game finder

INVENTOR: Sodaro, John C. - Monkton, Vermont, United States (US)

APPL-NO: 121936 (09)

FILED-DATE: July 24, 1998

GRANTED-DATE: February 8, 2000

ENGLISH-ABST:

A combination archery bow stabilizer and string tracker having a built- in shock- and vibration-damping system comprising a body portion containing a chamber for holding a spool of tracking string and a chamber housing a temperature-insensitive vibration-damping and shock- absorbing viscoelastic polymer element in which a bow-mounting rod is embedded. The viscoelastic polymer element material is preferably a flexible polyurethane of essentially linear structure, containing unsatisfied hydroxyl groups, and having a compression set of less than 15%, an elongation at break of at least 500%, and a recovery after compression which is delayed by at least 0.7 seconds. The system minimizes the vibration due to shock created by the release of the arrow and by the pay out of the tracking string.